**LIST FOR CALL FOR PROPOSALS**

**ROUND 5:**

**NATIONAL HEALTH CHALLENGE GRANTS (NHCG)**

| **Thematic Areas** | **Priority areas** | **Check mark the area that is applicable** |
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| **Climate Change and Health Challenges** | 1. Assessing the multi-sectoral preparedness during Healthcare emergencies due to climate change.
2. Development and evaluation of community-driven early warning systems to monitor and respond to outbreaks resulted due to climate change.
3. Strategies to mitigate the health challenges due to deterioration of Air Quality Index(AQI) in Pakistan
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| **Antimicrobial Resistance** | 1. Implementing and assessing protocols to combine therapies like phage therapies with existing antimicrobial treatments in clinical settings
2. To determine the effectiveness of alternate therapies in combating AMR in clinical settings
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| **Non-Communicable Diseases****(CVS,Chronic respiratory illness, diabetes, cancer)** | 1. Disease and economic burden of NCDs in Pakistan.
2. Morbidity and mortality of NCDs in Pakistan
3. Developing and assessing models for integrating multi morbidity NCDs management to ensure timely diagnosis and treatment.
4. Evaluating the Effectiveness of Tax Regulations and Awareness Campaigns in Reducing Tobacco and Sugar-Sweetened Beverage Consumption and their Impact on Health Outcomes and Economic Burden in Pakistan.
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**SMALL GRANTS (SG)**

| **Thematic Areas** | **Priority areas** | **Check mark the area that is applicable** |
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| **Health System Research** | 1. Innovative Strategies to Enhance Access, Efficiency, and Coverage of Routine Immunization Services in Pakistan, focusing on Reducing Drop-Out Rates in Conflict-Affected and Underserved Areas.
2. Implementing and assessing targeted interventions to improve the resilience of marginalized populations during public health emergencies.
3. Innovative approaches to enhance the artificially acquired passive immunity for indigenous vaccines in Pakistan.
4. Situational assessment of existing socio demo graphic and health indicators of the marginalized population with respect to mental health and wellbeing.
5. Developing and testing scalable models for integrating mental health screening, counseling, and treatment into routine primary healthcare services for marginalized populations.
6. Affordable and indigenous Medical Devices for Low-Resource Areas
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| **Mental Health Challenges and Injuries** | 1. Implementing targeted interventions to support mental health among refugees, internally displaced persons, and survivors of trauma or violence.
2. Determinants of suicides and Suicidal ideation and early warning signs among high risk groups and coping strategies.
3. Determining the psychological, economic and social impact of suicide on families.
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| **Neglected Tropical Diseases** | 1. Assessing the impact of climate change on NTD transmission and implementing adaptive strategies to mitigate risks in vulnerable regions
2. Rapid response mechanisms for emerging NTD
3. Optimizing local production of high-quality, affordable antivenoms using region-specific snake venoms.
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| **Communicable Disease** | 1. Innovative strategies to prevent relapse of tuberculosis and evaluate the impact of contact investigation on TB preventive treatment coverage in high-burden areas.
2. Social determinants significantly influencing the spread of communicable diseases in Pakistan, and how can they be addressed through policy and intervention.
3. Community-based interventions to improve the uptake of vaccination programs for preventable diseases such as measles and polio in underserved areas.
4. Use of Artificial Intelligence (AI) for early detection and response of communicable Disease Surveillance.
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